I Number	Hits		DB	Time stamp
ı	26280	catalyst and (reaction adj condition) and (analyse or detects4) and conversion	USPAT; US-PGPUB;	_
			EPO; JPO; DERWENT; TRM TDR	
ı	7 4 7	catalyst same (reaction adj condition) same (analys6 or detect\$4) same conversion	USPAT; US-PGPUB;	2004/02/18 11:17
I	258	(catalyst with (reaction near condition)) same (analy\$6 or detect\$4) same	EPO; JPO; DERWENT; IBM TDB USPAT;	2004/02/18 11:19
I	0	585/300.ccls. and ((catalyst with (reaction near condition)) same (analys6 or detect\$4) same conversion)	US-FGFUB; EPO; UPO; DERWENT; IBM TDB US-PGPUB; US-PGPUB;	2004/02/18 11:27
1	0	585/300.ccls. and ((catalyst and (reaction near condition)) same (analys6 or detect\$4) same conversion)	DERWENT; IBM TDB USPAT; US-PGPUB;	2004/02/18 11:19
I	0	585/300.ccls. and ((catalyst and (reaction near condition)) same (analy\$6 or detect\$4) and conversion)	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/18 11:19
ı	A,	585/300.ccls. and ((catalyst and (reaction near condition)) and (analy\$6 or detect\$4) and conversion)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO: JPO:	2004/02/18 11:26
ı	7	585/301.ccls. and ((catalyst and (reaction near condition)) and (analy\$6 or detect\$4) and conversion)	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/18 11:29
ı	12	585/301.ccls. and ((catalyst and (reaction near condition)) and (analyst or detects4) and conversion)	DERWENT; IBM_TDB USOCR	2004/02/18 11:26
ı	Н	585/300.ccls. and ((catalyst with (reaction near condition)) same (analyse or detects4) same conversion)	USOCR	2004/02/18 11:27
ı	20	585/300-304.ccls. and ((catalyst and (reaction near condition)) and (analyse or detect\$4) and conversion)	USPAT; US-PGPUB; FPO: TPO:	2004/02/18 11:34
			DERWENT; IBM TDB	

	11	5/300-304.ccls. and ((catalyst and (reaction	USPAT;	2004/02/18 14:37
		and conversion) and (paralle	US-FGFUB; EPO; JPO; DERWENT; IBM TDB	
ı	31	A A	USPAT; US-PGPUB;	2004/02/18 13:51
		OR US-5927325-\$.DID. OR US-5959297-\$.DID. OR US-6004617-\$.DID. OR US-6030917-\$.DID.	EPO; JPO; DERWENT;	
		OR US-6087181-\$.DID. OR US-6149882-\$.DID.	IBM_TDB	
1	ω	(("20020014106") or ("20020042140") or ("20020045265") or ("20020048536")).PN.	USPAT; US-PGPUB;	2004/02/18 13:51
			EPO; JPO; DERWENT;	
ı	11011	((catalyst and (reaction near condition)) and (analys6 or detects4) and	IBM_TDB USPAT;	2004/02/18 14:44
		conversion) and (parallel or simultaneous\$2)	US-PGPUB;	
			DERWENT;	
ı	11	same (reaction near	USPAT;	2004/02/18 14:39
		conversion) same (parallel or simultaneous>2)	US-FGFUB; EPO; JPO;	
			DERWENT; IBM TDB	
ı	П	((catalyst same (reaction near condition)) same (analyse or detects4) same	USPAT;	2004/02/18 14:39
		omic directively dama (Paration of	EPO; JPO;	
			DERWENT; IBM TDB	
1	14	r condition)) :	USOCR	2004/02/18 14:40
	3104	same serectivity same (paraffer of with (reaction adj condition)) and (	USPAT;	2004/02/18 14:45
			US-PGPUB;	
			EPO; JPO; DERWENT;	
1	7	((catalyst with (reaction adj condition)) same (analy\$6 or detect\$4) same	IBM TDB USPAT;	2004/02/18 17:54
-		same (parallel or simultaneous\$2)	US-PGPUB;	
			EPO; JPO; DERWENT;	
	23	willson.in. and (422/\$ or 436/\$).ccls.	IBM TDB USPAT;	2004/02/18 14:47
			US-PGPUB;	
			DERWENT;	
			IBM TDB	

2004/02/18 14:49	2004/02/18 16:08 2004/02/18 18:30	2004/02/18 18:31	2004/02/18 19:09	2004/02/18 18:33	2004/02/18 18:43 2004/02/18 18:55 2004/02/18 18:55		2004/02/18 19:06	2004/02/18 19:08	2004/02/18 19:08
USPAT	USPAT USPAT; US-PGPUB;	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	USPAT; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT;	USPAT	USPAT USPAT USPAT	USOCR	USPAT; US-PGFUB; EPO; JPO;	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
51 ("3010880"   "327522"   "3431077"   "3474004"   "3536452"   "3760831"   "3812254"   "3819490"   "3881872"   "3919589"   "3933044"   "3943363"   "3944826"   "4099923"   "4626412"   "4705669"   "4728502"   "4996387"   "5009849"   "5024992"   "5035866"   "5045916"   "5064802"   "5077470"   "5143854"   "5146088"   "5182081"   "5198401"   "5200023"   "5281540"   "5288514"   "5306411"   "5318935"   "5324483"   "5344236"   "5356756"   "5364765"   "5384261"   "5412087"   "5424186"   "5587128"   "5670322"   "5677195"   "5679548"   "5744305"   "5766875"   "5776359"   "5847105"	0 6623969.URPN. 6486 ("same" with catalyst with (bed or reactor))	1206 ("same" with catalyst with (bed or reactor)) and (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield)	160 ("same" with catalyst with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield)	20 ("3431077"   "4014657"   "4099923"   "4419328"   "4962044"   "5112574"   "5304354"   "5405586"   "5425921"   "5489726"   "5609826"   "5612002"   "5746982"   "5766556"   "5785927"   "5792431"   "6030917"   "6045671"   "6056926"   "6063633").PN.	0 6627445.URPN. 0 5593892.URPN. 0 5593892.URPN.		8 akporiaye.in. and (422/\$ or 436/\$).ccls.	16 dahl.in. and (422/\$ or 436/\$).ccls.	2 ("5304354").PN.
1	1 1	I	1 .	1	1 1 1	1	1	ı	1

2004/02/18 19:09	2004/02/19 09:08	2004/02/18 19:09	2004/02/19 09:45	2004/02/19 11:54	2004/02/19 09:39	2004/02/19 09:40	2004/02/19 09:40	2004/02/19 09:43	2004/02/19 09:44
USPAT; US-PGPUB; EPO; JPO; DERWENT;	USPAT; US-PGPUB; EPO; JPO; DERWENT;	US-PGPUB; US-PGPUB; EPO; JPO; DERWENT;	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT;	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	USPAT; US-PGPUB; EPO; JPO; DERWENT;	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
166 ("same" with cataly\$3 with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield)	(("same" with c simultaneous\$2) or yield)) not or simultaneous selectivity or	6 senkan.in. and cataly\$3		1 (("same" with composition with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield))	33 (("same" with composition) same (bed or reactor) same (parallel or simultaneous\$2)) and (reaction adj condition) and (conversion or selectivity or yield)	49222 (range or difference) with conversion	3801 ((range or difference) with conversion) with catalyst	((range or difference) with conversion) with (curve or plot) with catalyst	35 ((range or difference) near conversion) with (curve or plot) with catalyst
ı	ı	1	1	1	1	ı	1	ı	1

	(trained of difference) and conversion) with (turve of piot) with catalyst	USPAT;	2004/02/19 09:4
		US-PGPUB; EPO; JPO; DERWENT;	
464	(("same" with composition) and (reaction adj condition) and (conversion or selectivity or yield))	IDM IDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 09:46
1587	(("same" with composition with catalyst) and (reaction adj condition) and (conversion or selectivity or yield))	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 09:46
1071	(("same" with composition with catalyst) and (reaction adj condition) and (conversion or selectivity or yield)) and (run or repeated)	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 09:47
77	(("same" with composition with catalyst with (run or repeated)) and (reaction adj condition) and (conversion or selectivity or yield))	DEKWENI; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 09:47
0	((identical with composition with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield))	DEKWENI; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 12:13
0	((identical with (composition or material) with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield))	IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT:	2004/02/19 11:5
77	((identical with (composition or material)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity or yield))	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 12:07
თ	("3431077"   "4099923"   "4629903"   "5266270"   "6030917"   "6136274"   "6238929"   "6242542"   "6245865").PN.	DERWENT; IBM_TDB USPAT	2004/02/19 11:58
53	W. with (composition or material)) same (parallel or simultaneous\$2) and (conversion or selectivity or vield).	USPAT USOCR	2004/02/19 11:59 2004/02/19 12:07
13467	ture	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/02/19 12:12

_	0	((identical with composition with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and (conversion or selectivity	USPAT;	2004/02/19 12	12:13
		((space adj velocit	SEO, JPO; DERWENT;		
	0	(identical with composition with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and ((space adj velocity) and temperature)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 12	12:14
	Н	((identical or "same") with composition with (bed or reactor)) same (parallel or simultaneous\$2) and (reaction adj condition) and ((space adj velocity) and temperature)	DERWEN!; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 12	12:14
100	09	((identical or "same") with (composition or material)) same (parallel or simultaneous\$2) and (reaction adj condition) and ((space adj velocity) and temperature)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; UPO;	2004/02/19 12:15	1.
		((identical or "same") with (composition or material)) same (parallel or simultaneous\$2) and ((reaction adj condition) with ((space adj velocity) and temperature))	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 12:	12:15
	19	((identical or "same") with (composition or material)) same (parallel or simultaneous\$2) and ((reaction adj condition) same ((space adj velocity) and temperature))	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 12:	12:18
	17532	cataly\$3 and process and (optim\$7 or design\$3 or variable or factor) and (factorial or statistic\$4) and (temperature or pressure or composition) and (velocity or contact or time or space)	DEKWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 14:04	: 04
	0	(cataly\$3 and process and (optim\$7 or design\$3 or variable or factor) and (factorial or statistic\$4) and (temperature or pressure or composition) and (velocity or contact or time or space)) not py>1999	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/19 13:42	: 42
	53	(cataly\$3 same process same (optim\$7 or design\$3 or variable or factor) same (factorial or statistic\$4)) and (temperature or pressure or composition) and (velocity or contact or time or space)	DERWENL; IBM TDB USPAT; US-PGPUB; EPO; UPO; DERWENT:	2004/02/19 13:44	4 4
	4093	cataly\$3 and (process with (optim\$7 or design\$3 or variable or factor)) and (factorial or statistic\$4) and (temperature or pressure or composition) and (velocity or contact or time or space)	IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/02/19 14:06	90

- 548 cataly\$3 and (pr (factorial or st (velocity or con - 145 cataly\$3 and (pr (factorial or st (velocity or con (velocity or con ("20020023872") - 4 (("20020023872") - 10 ("20020042147")) - 7 1006360.did. or - 7 1006360.did.	velocity or contact or time or space)  ataly\$3 and (process adj (optim\$7 or design\$3 or variable or factor)) and factorial or statistic\$4) and (temperature or pressure or composition) and velocity or contact or time or space)  ataly\$3 and (process adj (optim\$7 or design\$3 or variable or factor)) and factorial or statistic\$4) and (temperature or pressure or composition) and factorial or statistic\$4) and (temperature or pressure or composition) and velocity or contact or time or space) and (py<1999  ("20020023872") or ("20030039587") or ("20020094303") or "20020042147")).PN.  "20020042147")).PN.  "20020062049").PN.  "20020052049").PN.	EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB;	2004/02/19 14:07 2004/02/19 15:58 2004/02/19 16:01 2004/02/19 16:42 2004/02/19 17:04 2004/02/19 17:04
248	d (process adj (optim\$7 or design\$3 or variable or factor)) and (temperature or pressure or composition) r contact or time or space)  d (process adj (optim\$7 or design\$3 or variable or factor)) and (temperature or pressure or composition) r contact or time or space) and (apy<1999  r contact or time or space) and (apy<1999  r contact or time or space) and (apy<1999  47")).PN.  47")).PN.  47")).PN.  49").PN.	USPĀT; USPĀT; USPĀCBB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; US-PGPUB; US-PGPUB;	2004/02/19 14:07 2004/02/19 15:58 2004/02/19 16:01 2004/02/19 17:04 2004/02/19 17:04
145 8 4 10 10 7 2	d (process adj (optim\$7 or design\$3 or variable or factor)) or statistic\$4) and (temperature or pressure or composition) r contact or time or space) and @py<1999  872") or ("20030039587") or ("20020094303") or 47")).PN.  872") or ("20030039587") or ("20020094303") or 47")).PN.  972") or ("20030039587") or ("20020094303") or 3931018.pn.	USPATION TO BE WENT TO BE WENT;  US - PACK TO BE WENT;	2004/02/19 15:58 2004/02/19 16:01 2004/02/19 16:42 2004/02/19 17:04 2004/02/19 17:04
8 4 10 7 2	872") or ("20030039587") or ("20020094303") 47")).PN. 872") or ("20030039587") or ("20020094303") 47")).PN. 49").PN. or 3931018.pn.	IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB US-PGPUB US-PGPUB	2004/02/19 16:01 2004/02/19 16:42 2004/02/19 17:04 2004/02/19 17:06
2 7 10	872") or ("20030039587") or ("20020094303") 47")).PN. 49").PN. . or 3931018.pn.	IBM TDB US-PGPUB US-PGPUB US-PGPUB	2004/02/19 16:42 2004/02/19 17:04 2004/02/19 17:06
10 (10 1)	49").PN.	US-PGPUB USPAT;	2004/02/19 17:04 2004/02/19 17:06
			_
N	T	US-FGFUB; EPO; JPO; DERWENT; IBM TDB USPAT;	2004/02/19 17:10
α		US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
	148").PN.	USPAT; US-PGPUB; EPO; JPO;	2004/02/19 17:19
_ 2 ("5217592")	. PN.	DERWENT; IBM TDB USPAT; US-PGPUB; EPO: IPO:	2004/02/19 17:19
- 6444 conversion	near selectivity	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/03/01 17:47
- 5725 (conversion pressure or	on near selectivity) and (space or velocit\$3 or contact or time or or composition)	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:42

C:\APPS\east\workspaces\09-901858.wsp

	4576523	(Conversion near selectivity) and ((space or velocits3) and (contact or	- 840011	2000 (00 / 10 / 10 / 10 / 10 / 10 / 10 /
		e or composition	US-PGPUB; EPO; JPO; DERWENT;	
ı	2929	(conversion near selectivity) and ((space or velocit\$3) and (contact or time) and pressure and (composition or mol\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:45
ı	5257	(conversion near selectivity) and ((space or velocit\$3 or contact or time) and (temperature or pressure or composition or mol\$2))	IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:45
1	756	((conversion near selectivity) and ((space or velocit\$3 or contact or time) and (temperature or pressure or composition or mol\$2)) ) and (curve or plot or graph)	16M TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:46
I	20	(((conversion near selectivity) and ((space or velocit\$3 or contact or time) and (temperature or pressure or composition or mol\$2)) ) and (curve or plot or graph)) and (statistic\$2 or factorial)	IEM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:46
ı	78	(conversion near selectivity) with (plot or curve or graph)	IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:49
ı	133	(conversion near (versus or v. or vs. or v or vs) near selectivity) with (plot or curve or graph)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 17:51
1 1	1 8741	(conversion near (versus or v. or vs. or v or vs) near selectivity) with (plot or curve or graph)	USOCR	
			USPAT; US-PGPUB; EPO; JPO; DERWENT; TRM TDR	2004/03/01 18:07
1	419	(schultz.in. or willson.in.) and (catalyst or catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/01 18:09
1	5.4	((schultz.in. or willson.in.) and (catalyst or catalytic)) and (435/\$ or 422/\$ or 436/\$).ccls.	15M TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/01 18:10

Search History 3/2/04 8:15:22 PM Page 8 C:\APPS\east\workspaces\09-901858.wsp

ı	4	senkan.in. and (catalyst or catalytic)	USPAT;	2004/03/02 10:08
			US-PGFUB; EPO; JPO; DERWENT; IBM TDB	
ı	33	-\$ or US-6514764-\$ or US-662779-\$ or US-6087181 11-\$ or US-6623970-\$ or US-6623967-\$ or	USPAT	2004/03/02 18:35
		US-66U547U-\$ or US-6333196-\$ or US-3536452-\$ or US-6627445-\$ or US-5593892-\$ or US-5354935-\$ or US-5593892-\$ or US-5354935-\$ or US-5258348-\$ or US-5489726-\$ or US-5304354-\$ or US-549365-\$ or US-64301195-\$		
		93-\$ or US-6096675-\$).did. O(S-6069106-\$ or US-6069106-\$ or US-6090675-\$).did.		
		US-5/33839-\$ or US-6063724-\$ or US-5641395-\$ or US-5424262-\$ or US-4849539-\$ or US-4467046-\$).did.		
ı			USOCR	2004/03/02 18:35
I	ഹ	((US-6623969-\$ or US-6623968-\$ or US-6514764-\$ or US-6627779-\$ or US-6087181-\$ or US-6063633-\$ or US-6630111-\$ or US-6623970-\$ or US-6623967-\$	USPAT; US-PGPUB;	
		96-\$ or US-3536452-\$ or US-6627445-\$ or Sor US-538448-\$ or US-5489726-\$ or US-5304354-	EPO; JPO;	
		96-5 or US-6368865-\$ or US-6342185-\$ or	IBM_TDB	
		US-642U1/9-\$ or US-46//U84-\$ or US-6096193-\$ or US-60966/5-\$).did. or (US-6069106-\$ or US-5733839-\$ or US-6063724-\$ or US-5641395-\$ or US-5424262-\$		
		46-\$).did.) and (blank or absence)		
ı	0	8-\$ or US-6514764-\$ or US-6627779-\$ or	USPAT;	2004/03/02 18:36
		96-\$ or US-863U111-\$ or	US-FGFUB; EPO; JPO;	
		\$ or US-5258348-\$ or	DERWENT;	
		96-\$ or US-6368865-\$ or US-6342185-\$ or	IBM_TDB	
		s or US-46//U8 -\$ or US-57338		
		US-4849539-\$ or US-4467046-\$).did.) and (blank or (absenc		
1	16194	(reactor or well or substrate) with (blank or (absence near catalyst))	USPAT;	2004/03/02 18:37
			US-PGPUB; EPO; JPO;	
			DERWENT;	
	483	(reactor or well or substrate) with (blank or (absence near catalyst)) and	IBM TDB HSPAT:	2004/03/02 18:37
		36/\$).ccls.	US-PGPUB;	
			EPO; JPO;	
	1		IBM_TDB	
ı	133	or well or substrate) near (blank or (absence near catalyst)) and	USPAT;	2004/03/02 18:38
		(422/\$ or 436/\$).ccis.	US-PGPUB; FPO: JPO:	
			DERWENT;	
ı	66	(reactor or well) near (blank or (absence near catalyst)) and (422/\$ or	IBM TUB USPAT;	2004/03/02 19:02
·			US-PGPUB;	
			DERWENT;	
			IBM TDB	

(422/\$ or 436/\$).ccis.  (422/\$ or analyz\$ or experiment\$5) with catalyst near (blank or USPAT; DOWGER OF CONTROL 18:52 (bbsence near catalyst)) and (422/\$ or 436/\$).ccis.  (422/\$ or analyz\$5 or experiment\$5) with catalyst near (blank or USCAR OF CONTROL 18:52 (bbsence near catalyst)) and (422/\$ or 436/\$).ccis.  (422/\$ or analyz\$5 or experiment\$5) with catalyst with (blank or USCAR OF CONTROL 18:53 (bbsence near catalyst)) and (422/\$ or 436/\$).ccis.  (422/\$ or analyz\$5 or experiment\$5) with catalyst with (blank or USCAR OF CONTROL 18:53 (bbsence near catalyst)) and (422/\$ or 436/\$).ccis.  (422/\$ or 436/\$).ccis. and syngas  (422/\$ or
(reactor or well) with catalyst near (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with catalyst near (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with catalyst near (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with catalyst with (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with catalyst with (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (reactor or well) with catalyst near (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  catalyst near (blank or (absence near catalyst)) and (422/\$ or 436/\$).ccls.  and syngas  (reactor or well) near (blank or (absence near catalyst)) and (422/\$ or
(reactor or well) with catalyst near (blank or (absentance) or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (test or evaluat\$3 or analyz\$5 or experiment\$5) with (absence near catalyst)) and (422/\$ or 436/\$).ccls.  (treactor or well) with catalyst near (blank or (absentance)) and syngas  catalyst near (blank or (absence near catalyst)) and and syngas  (reactor or well) near (blank or (absence near catalyst)) and (absence near catalyst)) and (absence near catalyst).